2022 - 2023

QUALITY CONTROL TEST REPORTS

Client: Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.

Agency: Sri. T S Kothanda Raju (Proprietor R K Constructions, Proprietor Shree Charan Constructions), Bangalore.

Name of Work : Construction of Rangamandira at Doddabettahalli Govt. School in Attur ward no.04, BBMP, Bangalore.

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QC ABSTRACT

Nameof Work: Construction of Rangamandira at Doddabettahalli Govt. School in Attur ward no.04, BBMP, Bangalore.

SI. No.	Item	Quantity As Per BOQ	Required No's of testes	Actual No's of testes	Testes Results
1	1:4:8	165.04 Cum	1	1	Pass
2	M15	68.20 Cum	5	5	Pass
3	CC Blocks	56.01 Sqm	1	1	Pass
4	M20	10.12 Cum	2	2	Pass
5	M25	20.09Cum	3	3	Pass
6	M25	17.57 Cum	3	3	Pass
7	M25	2.16 Cum	1	1	Pass
8	M25	20.32 Cum	3	4	Pass
9	Steel	6.626 Tonne	1	1	Pass
10	Kerb	154.00 Nos	1	1	Pass
11	GSB	118.76 Cum	1	1	Pass
12	Slab (100mm)	22.50 Sqm	1	1	Pass
13	Paver Blocks (60mm)	593.80 Sqm	1	1	Pass
		Cubes	0-5 Cum	1Set	
			6-15 Cum	2Set	
			16-30 Cum	3Set	
			31-50 Cum	4Set	
			Add 1set for extra 50Cum		

For CIVIL AIM CONSULTANTS & ENGINEERS

AE

Authorised Signatory

No. 01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
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Job No.: CACE/BBMP/TSKR/W.No.04/2022-23

Date: 08.03.2023

TEST REPORT

CLIENT	:	**Assistant Executive Engineer,** Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
AGENCY	:	**Sri. T S Kothanda Raju (Proprietor R K Constructions, Proprietor Shree Charan Constructions), Bangalore.**
NAME OF THE WORK	:	Construction of Rangamandira at Doddabettahalli Govt. School in Attur ward no.04, BBMP, Bangalore.
SAMPLE ID	:	Cement (Dalmia OPC 53 Grade)
DATE OF MANUFACTURE	:	February – 2023
DATE OF TESTING	:	06.03.2023 to 08.03.2023
SAMPLES SUPPLIED BY	:	AGENCY

The results of the tests conducted on the cement sample are as follows:

Sl.No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 269-2015
1	a) Initial Setting Time	IS-4031 (Part -5)	130 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part -5)	350 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part 3) by the Le-Chatelier method	1 mm	Not more than 10 mm
3	Standard Consistency	IS-4031 (Part -4)	30.00 %	-

Note:

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Date : 08.03.2023

Job No.: CACE/BBMP/TSKR/W.No.04/2022-23

TEST REPORT ON FINE AGGREGATES (SAND)

Client : **Assistant Executive Engineer,** Yelahanka Satellite Town Sub Division, BBMP, Bangalore.

Agency : **Sri. T S Kothanda Raju (Proprietor R K Constructions, Proprietor Shree Charan Constructions),** Bangalore.

Name of Work : Construction of Rangamandira at Doddabettahalli Govt. School in Attur ward no.04, BBMP, Bangalore.

Date of Testing : 08.03.2023

IS Code : IS 383:2016
: IS 2386 (Part 1):1963(RA 2011)

Material : Sand

Total Wt. of Aggregates in gms **1000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits For Zone-II
10	0	0	0	100	100
4.75	84	8.40	8.40	91.6	90-100
2.36	132	13.20	21.60	78.4	75-100
1.18	185	18.50	40.10	59.9	55-90
600 Micron	156	15.60	55.70	44.3	35-59
300 Micron	228	22.80	78.50	21.5	8-30
150 Micron	143	14.30	92.80	7.2	0-10

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Date : 08.03.2023

Job No.: CACE/BBMP/TSKR/W.No.04/2022-23

TEST REPORT ON FINE AGGREGATES (SAND)
IS 2116-1980

Client **Assistant Executive Engineer,** Yelahanka Satellite Town Sub Division, BBMP, Bangalore.

Agency **Sri. T S Kothanda Raju (Proprietor R K Constructions, Proprietor Shree Charan Constructions),** Bangalore.

Name of Work Construction of Rangamandira at Doddabettahalli Govt. School in Attur ward no.04, BBMP, Bangalore.

Date of Testing : 08.03.2023

Material : Sand - Masonry

Total wt. of aggregates in gms = **1000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits as per IS 2116-1980
4.75	0	0.00	0.00	100.0	100
2.36	15	1.50	1.50	98.5	90-100
1.18	38	3.80	5.30	94.7	70-100
600 Micron	89	8.90	14.20	85.8	40-100
300 Micron	246	24.60	38.80	61.2	5-70
150 Micron	485	48.50	87.30	12.7	0-15

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Job No.: CACE/BBMP/TSKR/W.No.04/2022-23

Date : 08.03.2023

TEST REPORT ON COARSE AGGREGATES

Client : **Assistant Executive Engineer,** Yelahanka Satellite Town Sub Division, BBMP, Bangalore.

Agency : **Sri. T S Kothanda Raju (Proprietor R K Constructions, Proprietor Shree Charan Constructions),** Bangalore.

Name of Work : Construction of Rangamandira at Doddabettahalli Govt. School in Attur ward no.04, BBMP, Bangalore.

Date of Testing : 08.03.2023

IS Code : IS 383:2016

: IS 2386 (Part 1):1963(RA 2011)

Material : 20mm Aggregates

Total Wt. of Aggregates in gms= **5000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits
40	0	0	0	100	100
20	182	3.6	3.6	96.4	95-100
10	2430	48.6	52.2	47.8	25-55
4.75	1995	39.9	92.1	7.9	0-10

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Job No.: CACE/BBMP/TSKR/W.No.04/2022-23

Date : 08.03.2023

TEST REPORT ON COARSE AGGREGATES

Client : **Assistant Executive Engineer,** Yelahanka Satellite Town Sub Division, BBMP, Bangalore.

Agency : **Sri. T S Kothanda Raju (Proprietor R K Constructions, Proprietor Shree Charan Constructions),** Bangalore.

Name of Work : Construction of Rangamandira at Doddabettahalli Govt. School in Attur ward no.04, BBMP, Bangalore.

Date of Testing : 08.03.2023

IS Code : IS 383:2016

: IS 2386 (Part 1):1963(RA 2011)

Material : 40mm Aggregates

Total Wt. of Aggregates in gms **15000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits
80	0	0	0	100	100
40	178	1.19	1.19	98.81	95-100
20	8230	54.87	56.05	43.95	30-70
10	3265	21.77	77.82	22.18	10-35
4.75	2810	18.73	96.55	3.45	0-5

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Job No.: CACE/BBMP/TSKR/W.No.04/2022-23

Date : 10.03.2023

TEST REPORT OF PHYSICAL PROPERTIES OF REINFORCEMENT STEEL

Client : **Assistant Executive Engineer,** Yelahanka Satellite Town Sub Division, BBMP,

Agency : **Sri. T S Kothanda Raju (Proprietor R K Constructions, Proprietor Shree Charan Constructions),** Bangalore.

Name of Work : Construction of Rangamandira at Doddabettahalli Govt. School in Attur ward no.04, BBMP, Bangalore.

Steel Dia/Length : 8mm,10mm,12mm,16mm " Fe500 TMT Bars"

Reference to BIS codes : IS 1786:2008(RA 2013) High Strength Deformed Steel Bars and Wires for Concrete Reinforcement-Specification

: IS 1608:2005 Metallic Materials- Tensile Testing at Ambient Temperature

Date of test : 10.03.2023

S.No	Brand	Nominal size (dia in mm)	Mass per meter (kg/meter)	TENSILE STRENGTH			
				0.20 % proof stress/ yield stress (N/mm^2)	Tensile strength (N/mm^2)	TS/YS ratio	Elongation, percent on gauge length
1	TMT	8	0.396	535	609	1.14	15
2	TMT	10	0.617	542	615	1.13	14
3	TMT	12	0.888	555	632	1.14	14.5
4	TMT	16	1.58	564	656	1.16	15.5

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Date : 15.03.2023

Job No.: CACE/BBMP/TSKR/W.No.04/2022-23

TEST REPORT ON CEMENT CONCRETE BLOCKS

Client : **Assistant Executive Engineer,** Yelahanka Satellite Town Sub Division, BBMP, Bangalore.

Agency : **Sri. T S Kothanda Raju (Proprietor R K Constructions, Proprietor Shree Charan Constructions),** Bangalore.

Name of the Work : Construction of Rangamandira at Doddabettahalli Govt. School in Attur ward no.04, BBMP, Bangalore.

Date of Testing : 15.03.2023

Size of Blocks : 400mm x 200mm x 200mm

Cross Sectional Area : 80000 mm^2

Technical Reference : IS: 2185 (Part 1) - 2005

No. of Blocks Tested : 04

Sl.No.	Block ID	Wt. in Kg	Failure load (N)	Compressive strength (N/mm^2)	Block Density in Kg/M^3	Requirement as per IS 2185 (Part 1) - 2005
1	Block 1	34.5	335.2	4.19	2156.25	Minimum required Compressive Strength of Individual Units $4.00N/mm^2$
2	Block 2	33.6	336.3	4.20	2100.00	
3	Block 3	32.9	332.9	4.16	2056.25	
4	Block 4	35.2	335.3	4.19	2200.00	

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Job No.: CACE/BBMP/TSKR/W.No.04/2022-23

Date: 24.03.2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yelahanka Satellite Town Sub Division, BBMP, Bangalore.

Agency : **Sri. T S Kothanda Raju (Proprietor R K Constructions, Proprietor Shree Charan Constructions),** Bangalore.

Name of the work : Construction of Rangamandira at Doddabettahalli Govt. School in Attur ward no.04, BBMP, Bangalore.

Sample ID : Cement Concrete for Footing

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{25}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	17.03.2023	24.03.2023	8.150	389.6	17.32
2	17.03.2023	24.03.2023	8.139	399.2	17.74
3	17.03.2023	24.03.2023	8.147	405.2	18.01

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Job No.: CACE/BBMP/TSKR/W.No.04/2022-23

Date: 24.03.2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yelahanka Satellite Town Sub Division, BBMP, Bangalore.

Agency : **Sri. T S Kothanda Raju (Proprietor R K Constructions, Proprietor Shree Charan Constructions),** Bangalore.

Name of the work : Construction of Rangamandira at Doddabettahalli Govt. School in Attur ward no.04, BBMP, Bangalore.

Sample ID : Cement Concrete for Footing

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{25}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	17.03.2023	24.03.2023	8.178	387.5	17.22
2	17.03.2023	24.03.2023	8.166	402.3	17.88
3	17.03.2023	24.03.2023	8.154	416.9	18.53

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Job No.: CACE/BBMP/TSKR/W.No.04/2022-23

Date: 14.04.2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yelahanka Satellite Town Sub Division, BBMP, Bangalore.

Agency : **Sri. T S Kothanda Raju (Proprietor R K Constructions, Proprietor Shree Charan Constructions),** Bangalore.

Name of the work : Construction of Rangamandira at Doddabettahalli Govt. School in Attur ward no.04, BBMP, Bangalore.

Sample ID : Cement Concrete for Footing

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{25}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	17.03.2023	14.04.2023	8.165	612.3	27.21
2	17.03.2023	14.04.2023	8.208	626.5	27.84
3	17.03.2023	14.04.2023	8.198	606.4	26.95

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Job No.: CACE/BBMP/TSKR/W.No.04/2022-23

Date: 14.04.2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yelahanka Satellite Town Sub Division, BBMP, Bangalore.

Agency : **Sri. T S Kothanda Raju (Proprietor R K Constructions, Proprietor Shree Charan Constructions),** Bangalore.

Name of the work : Construction of Rangamandira at Doddabettahalli Govt. School in Attur ward no.04, BBMP, Bangalore.

Sample ID : Cement Concrete for Footing

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{25}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	17.03.2023	14.04.2023	8.132	606.3	26.95
2	17.03.2023	14.04.2023	8.145	612.2	27.21
3	17.03.2023	14.04.2023	8.129	626.9	27.86

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For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

No. 01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
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Ph: 9591618639, GSTIN: 29CNWPD9510K1ZB, Email: civilaimconsultants@gmail.com

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Job No.: CACE/BBMP/TSKR/W.No.04/2022-23 Date: 27.03.2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yelahanka Satellite Town Sub Division, BBMP, Bangalore.

Agency : **Sri. T S Kothanda Raju (Proprietor R K Constructions, Proprietor Shree Charan Constructions),** Bangalore.

Name of the work : Construction of Rangamandira at Doddabettahalli Govt. School in Attur ward no.04, BBMP, Bangalore.

Sample ID : Cement Concrete for Sump Raft

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{25}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	20.03.2023	27.03.2023	8.184	405.2	18.01
2	20.03.2023	27.03.2023	8.169	392.6	17.45
3	20.03.2023	27.03.2023	8.152	399.4	17.75

Note:

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Job No.: CACE/BBMP/TSKR/W.No.04/2022-23

Date: 17.04.2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yelahanka Satellite Town Sub Division, BBMP, Bangalore.

Agency : **Sri. T S Kothanda Raju (Proprietor R K Constructions, Proprietor Shree Charan Constructions),** Bangalore.

Name of the work : Construction of Rangamandira at Doddabettahalli Govt. School in Attur ward no.04, BBMP, Bangalore.

Sample ID : Cement Concrete for Sump Raft

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{25}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	20.03.2023	17.04.2023	8.201	606.3	26.95
2	20.03.2023	17.04.2023	8.195	615.2	27.34
3	20.03.2023	17.04.2023	8.180	624.2	27.74

Note:

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Job No.: CACE/BBMP/TSKR/W.No.04/2022-23

Date: 31.03.2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yelahanka Satellite Town Sub Division, BBMP, Bangalore.

Agency : **Sri. T S Kothanda Raju (Proprietor R K Constructions, Proprietor Shree Charan Constructions),** Bangalore.

Name of the work : Construction of Rangamandira at Doddabettahalli Govt. School in Attur ward no.04, BBMP, Bangalore.

Sample ID : Cement Concrete for Column upto Plinth

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{25}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	24.03.2023	31.03.2023	8.175	388.6	17.27
2	24.03.2023	31.03.2023	8.136	400.9	17.82
3	24.03.2023	31.03.2023	8.168	395.6	17.58

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For CIVIL AIM CONSULTANTS & ENGINEERS

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Job No.: CACE/BBMP/TSKR/W.No.04/2022-23

Date: 21.04.2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yelahanka Satellite Town Sub Division, BBMP, Bangalore.

Agency : **Sri. T S Kothanda Raju (Proprietor R K Constructions, Proprietor Shree Charan Constructions),** Bangalore.

Name of the work : Construction of Rangamandira at Doddabettahalli Govt. School in Attur ward no.04, BBMP, Bangalore.

Sample ID : Cement Concrete for Sump Wall

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{25}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	24.03.2023	21.04.2023	8.169	606.3	26.95
2	24.03.2023	21.04.2023	8.154	612.2	27.21
3	24.03.2023	21.04.2023	8.146	624.2	27.74

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For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

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Job No.: CACE/BBMP/TSKR/W.No.04/2022-23

Date: 03.04.2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yelahanka Satellite Town Sub Division, BBMP, Bangalore.

Agency : **Sri. T S Kothanda Raju (Proprietor R K Constructions, Proprietor Shree Charan Constructions),** Bangalore.

Name of the work : Construction of Rangamandira at Doddabettahalli Govt. School in Attur ward no.04, BBMP, Bangalore.

Sample ID : Cement Concrete for Column

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{25}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	27.03.2023	03.04.2023	8.184	388.9	17.28
2	27.03.2023	03.04.2023	8.165	406.2	18.05
3	27.03.2023	03.04.2023	8.145	416.2	18.50

Note:

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Job No.: CACE/BBMP/TSKR/W.No.04/2022-23

Date: 07.04.2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yelahanka Satellite Town Sub Division, BBMP, Bangalore.

Agency : **Sri. T S Kothanda Raju (Proprietor R K Constructions, Proprietor Shree Charan Constructions),** Bangalore.

Name of the work : Construction of Rangamandira at Doddabettahalli Govt. School in Attur ward no.04, BBMP, Bangalore.

Sample ID : Cement Concrete for Plinth Beam

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{25}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	31.03.2023	07.04.2023	8.168	382.6	17.00
2	31.03.2023	07.04.2023	8.175	395.3	17.57
3	31.03.2023	07.04.2023	8.152	406.2	18.05

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Job No.: CACE/BBMP/TSKR/W.No.04/2022-23

Date: 07.04.2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yelahanka Satellite Town Sub Division, BBMP, Bangalore.

Agency : **Sri. T S Kothanda Raju (Proprietor R K Constructions, Proprietor Shree Charan Constructions),** Bangalore.

Name of the work : Construction of Rangamandira at Doddabettahalli Govt. School in Attur ward no.04, BBMP, Bangalore.

Sample ID : Cement Concrete for Sump Slab

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{25}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	31.03.2023	07.04.2023	8.188	389.6	17.32
2	31.03.2023	07.04.2023	8.165	404.2	17.96
3	31.03.2023	07.04.2023	8.146	416.2	18.50

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For CIVIL AIM CONSULTANTS & ENGINEERS

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Job No.: CACE/BBMP/TSKR/W.No.04/2023-24

Date: 12.04.2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yelahanka Satellite Town Sub Division, BBMP, Bangalore.

Agency : **Sri. T S Kothanda Raju (Proprietor R K Constructions, Proprietor Shree Charan Constructions),** Bangalore.

Name of the work : Construction of Rangamandira at Doddabettahalli Govt. School in Attur ward no.04, BBMP, Bangalore.

Sample ID : Cement Concrete for Head Roof Slab

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{25}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	05.04.2023	12.04.2023	8.165	384.6	17.09
2	05.04.2023	12.04.2023	8.142	399.2	17.74
3	05.04.2023	12.04.2023	8.132	405.2	18.01

Note:

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Job No.: CACE/BBMP/TSKR/W.No.04/2022-23

Date: 04.04.2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yelahanka Satellite Town Sub Division, BBMP, Bangalore.

Agency : **Sri. T S Kothanda Raju (Proprietor R K Constructions, Proprietor Shree Charan Constructions),** Bangalore.

Name of the work : Construction of Rangamandira at Doddabettahalli Govt. School in Attur ward no.04, BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{15}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	28.03.2023	04.04.2023	8.126	268.2	11.92
2	28.03.2023	04.04.2023	8.138	275.2	12.23
3	28.03.2023	04.04.2023	8.155	256.3	11.39

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Job No.: CACE/BBMP/TSKR/W.No.04/2023-24 Date: 11.04.2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yelahanka Satellite Town Sub Division, BBMP, Bangalore.

Agency : **Sri. T S Kothanda Raju (Proprietor R K Constructions, Proprietor Shree Charan Constructions),** Bangalore.

Name of the work : Construction of Rangamandira at Doddabettahalli Govt. School in Attur ward no.04, BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{15}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	04.04.2023	11.04.2023	8.136	285.2	12.68
2	04.04.2023	11.04.2023	8.165	276.6	12.29
3	04.04.2023	11.04.2023	8.160	262.4	11.66

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Job No.: CACE/BBMP/TSKR/W.No.04/2023-24

Date: 11.04.2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yelahanka Satellite Town Sub Division, BBMP, Bangalore.

Agency : **Sri. T S Kothanda Raju (Proprietor R K Constructions, Proprietor Shree Charan Constructions),** Bangalore.

Name of the work : Construction of Rangamandira at Doddabettahalli Govt. School in Attur ward no.04, BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{15}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	04.04.2023	11.04.2023	8.125	268.9	11.95
2	04.04.2023	11.04.2023	8.139	265.2	11.79
3	04.04.2023	11.04.2023	8.146	272.6	12.12

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Job No.: CACE/BBMP/TSKR/W.No.04/2023-24 Date: 04.05.2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yelahanka Satellite Town Sub Division, BBMP, Bangalore.

Agency : **Sri. T S Kothanda Raju (Proprietor R K Constructions, Proprietor Shree Charan Constructions),** Bangalore.

Name of the work : Construction of Rangamandira at Doddabettahalli Govt. School in Attur ward no.04, BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{15}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	06.04.2023	04.05.2023	8.168	375.6	16.69
2	06.04.2023	04.05.2023	8.185	368.9	16.40
3	06.04.2023	04.05.2023	8.172	386.9	17.20

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For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

No. 01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
Ramaiah Layout, Nagasandra, Bangalore - 560 073.
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Job No.: CACE/BBMP/TSKR/W.No.04/2022-23

Date: 04.04.2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yelahanka Satellite Town Sub Division, BBMP, Bangalore.

Agency : **Sri. T S Kothanda Raju (Proprietor R K Constructions, Proprietor Shree Charan Constructions),** Bangalore.

Name of the work : Construction of Rangamandira at Doddabettahalli Govt. School in Attur ward no.04, BBMP, Bangalore.

Sample ID : Cement Concrete for Raft

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	28.03.2023	04.04.2023	8.136	338.6	15.05
2	28.03.2023	04.04.2023	8.129	362.3	16.10
3	28.03.2023	04.04.2023	8.152	345.2	15.34

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Job No.: CACE/BBMP/TSKR/W.No.04/2022-23

Date: 28.04.2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yelahanka Satellite Town Sub Division, BBMP, Bangalore.

Agency : **Sri. T S Kothanda Raju (Proprietor R K Constructions, Proprietor Shree Charan Constructions),** Bangalore.

Name of the work : Construction of Rangamandira at Doddabettahalli Govt. School in Attur ward no.04, BBMP, Bangalore.

Sample ID : Cement Concrete for Wall

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	31.03.2023	28.04.2023	8.188	484.6	21.54
2	31.03.2023	28.04.2023	8.164	496.2	22.05
3	31.03.2023	28.04.2023	8.146	505.2	22.45

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Job No.: CACE/BBMP/TSKR/W.No.04/2022-23

Date: 31.03.2023

TEST REPORT

Client	:	**Assistant Executive Engineer,** Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Agency	:	**Sri. T S Kothanda Raju (Proprietor R K Constructions, Proprietor Shree Charan Constructions), Bangalore.**
Name of the work	:	Construction of Rangamandira at Doddabettahalli Govt. School in Attur ward no.04, BBMP, Bangalore.
Type of the test	:	Physical tests on Paver Blocks
Samples supplied by	:	AGENCY

The results of the tests conducted on the Paver Blocks sample are as follows:

1. **THICKNESS:**

Sl.No	Identification	Thickness, mm	Average thickness, mm
1	01	60.12	60.13
2	02	60.14	

2. **COMPRESSIVE STRENGTH:**

Sl. No	Identification	Load in Kilo-Newton	Cross sectional area, mm^2	Compressive strength N/mm^2	Compressive strength Kg/m^2	Requirement as Specification
1	01	692.8	24,200	28.62	286.2	Minimum required Compressive Strength of Individual Units 281 Kg/m^2
2	02	695.4	24,200	28.73	287.3	

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Date: 10.04.2023

Job No.: CACE/BBMP/TSKR/W.No.04/2023-24

KERB STONE (CORE) TEST REPORT

Client : **Assistant Executive Engineer,** Yelahanka Satellite Town Sub Division, BBMP, Bangalore.

Agency : **Sri. T S Kothanda Raju (Proprietor R K Constructions, Proprietor Shree Charan Constructions),** Bangalore.

Name of Work : Construction of Rangamandira at Doddabettahalli Govt. School in Attur ward no.04, BBMP, Bangalore.

No.of Sample Tested : 03

Date of Testing : 10.04.2023

Techinical Reference : IS:516-1959 (Reaffirmed 1999), SP-24:1983.

Grade of Concrete : M_{20}

Sl. No.	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
1	50.00	71.00	0.326	2338.46	1.42	0.937	32.90	16.76	18.10	16.96	21.20
2	50.00	73.00	0.339	2365.09	1.46	0.942	33.60	17.11	18.48	17.40	21.75
3	50.00	75.00	0.350	2376.71	1.50	0.946	34.20	17.42	18.81	17.80	22.24

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Date: 10.04.2023

Job No.: CACE/BBMP/TSKR/W.No.04/2023-24

PRECAST SLAB 100mm Thick(CORE) TEST REPORT

Client : **Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP,**

Contractor : **Sri. T S Kothanda Raju (Proprietor R K Constructions, Proprietor Shree Charan Constructions), Bangalore.**

Name of Work : Construction of Rangamandira at Doddabettahalli Govt. School in Attur ward no.04, BBMP, Bangalore.

No.of Sample Tested : 03

Date of Testing : 10.04.2023

Techinical Reference : IS:516-1959 (Reaffirmed 1999), SP-24:1983.

Grade of Concrete : M_{20}

Sl. No.	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
1	50.00	82.00	0.375	2329.10	1.64	0.961	32.60	16.60	17.93	17.23	21.54
2	50.00	84.00	0.389	2358.52	1.68	0.965	33.20	16.91	18.26	17.63	22.04
3	50.00	86.00	0.405	2398.43	1.72	0.970	33.90	17.27	18.65	18.08	22.60

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